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DOCUMENT-IDENTIFIER: US 20020058250 A1

TITLE: EXTRACTION AND UTILISATION OF VNTR ALLELES

Series Code and Application Number:09/380932Summary of Invention Paragraph:

[0065] The invention also provides a method of treating nucleic acids which consist essentially of a mixture of polymorphic alleles, e.g. of a chosen VNTR sequence and their flanking regions, or alternatively a mixture generated in some other way such as AFLP, microsatellite-AFLP, GMS or RAPD, the mixture being representative of those which manifest a trait of interest, which method comprises separating and then re-annealing strands of the mixture, and separating and discarding any mismatches. Preferably the method comprises the additional step of hybridizing the said mixture with a mixture of corresponding polymorphic alleles, e.g. of the chosen VNTR sequence and their flanking regions, or alternatively a mixture generated in some other way such as AFLP, microsatellite-AFLP, GMS or RAPD, which are representative of those which do not show the trait of interest, and selecting mismatches to provide a mixture of polymorphic alleles which are characteristic of the trait of interest.

CLAIMS:

16. A method of treating nucleic acids which consist essentially of a mixture of polymorphic alleles, the mixture being representative of those which manifest a trait of interest, which method comprises separating and then re-annealing strands of the mixture, and separating and discarding any mis-matches.